PROYECTO MINA DE COBRE PANAMA

ESTUDIO DE IMPACTO AMBIENTAL (EsIA)
CATEGORIA III

INFORME MENSUAL DE PRECIPITACIÓN

Documento No.
1512-013

Compromisos de EsIA Aplicables	Informe N°	Periodo reportado	Elaborado por	Fecha de Emisión del Reporte
13189	1512	Diciembre 2015	Water & Earth Technologies	05/01/2016

PRECIPITATION REPORT

Station Number: 40080 Colina Vivero

LOCATION.-- Lat 8°49'39.06"N Long 80°39'24.6"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 06/23/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 253.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.00	15.00	7.00	2.00	13.00	1.00	1.00	0.00	18.00	1.00	9.00	5.00
2	0.00	21.00	4.00	4.00	11.00	0.00	3.00	5.00	0.00	21.00	1.00	0.00
3	1.00	2.00	6.00	15.00	39.00	4.00	1.00	1.00	0.00	16.00	0.00	0.00
4	0.00	12.00	3.00	5.00	1.00	18.00	5.00	17.00	0.00	10.00	3.00	0.00
5	0.00	3.00	12.00	1.00	1.00	20.00	5.00	7.00	8.00	1.00	21.00	13.00
6	0.00	7.00	3.00	2.00	1.00	6.00	25.00	3.00	13.00	24.00	3.00	4.00
7	0.00	20.00	1.00	5.00	1.00	28.00	12.00	7.00	8.00	1.00	1.00	4.00
8	1.00	5.00	4.00	7.00	6.00	26.00	0.00	5.00	27.00	0.00	0.00	3.00
9	15.00	0.00	0.00	0.00	54.00	106.00	0.00	15.00	28.00	13.00	28.00	6.00
10	8.00	0.00	15.00	35.00	13.00	26.00	0.00	1.00	22.00	9.00	3.00	0.00
11	1.00	5.00	5.00	39.00	5.00	1.00	41.00	0.00	0.00	5.00	0.00	16.00
12	2.00	14.00	1.00	20.00	3.00	0.00	27.00	5.00	0.00	4.00	0.00	0.00
13	7.00	12.00	3.00	12.00	0.00	0.00	3.00	6.00	6.00	0.00	0.00	1.00
14	4.00	45.00	6.00	8.00	0.00	0.00	0.00	5.00	0.00	13.00	2.00	1.00
15	3.00	0.00	10.00	19.00	19.00	5.00	4.00	1.00	39.00	73.00	4.00	0.00
16	32.00	8.00	0.00	60.00	21.00	4.00	3.00	1.00	2.00	60.00	30.00	0.00
17	24.00	1.00	1.00	1.00	6.00	3.00	15.00	17.00	0.00	16.00	29.00	1.00
18	63.00	1.00	1.00	1.00	1.00	28.00	0.00	1.00	3.00	0.00	1.00	4.00
19	9.00	11.00	2.00	14.00	50.00	1.00	0.00	0.00	1.00	7.00	0.00	12.00
20	5.00	14.00	8.00	1.00	81.00	16.00	36.00	2.00	0.00	0.00	4.00	6.00
21	6.00	7.00	5.00	24.00	54.00	3.00	0.00	5.00	0.00	4.00	3.00	4.00
22	9.00	8.00	0.00	6.00	0.00	23.00	1.00	0.00	53.00	2.00	2.00	0.00
23	1.00	11.00	0.00	1.00	34.00	7.00	42.00	11.00	0.00	0.00	5.00	2.00
24	5.00	2.00	0.00	0.00	24.00	1.00	0.00	46.00	58.00	1.00	22.00	2.00
25	28.00	1.00	0.00	1.00	3.00	5.00	1.00	16.00	0.00	33.00	35.00	2.00
26	9.00	0.00	0.00	0.00	3.00	3.00	5.00	8.00	2.00	0.00	49.00	0.00
27	46.00	1.00	0.00	1.00	26.00	0.00	1.00	0.00	0.00	8.00	63.00	0.00
28	3.00	6.00	4.00	0.00	0.00	1.00	4.00	9.00	0.00	40.00	26.00	0.00
29	4.00	---	55.00	3.00	2.00	43.00	1.00	4.00	0.00	0.00	12.00	1.00
30	70.00	---	12.00	29.00	0.00	23.00	15.00	1.00	0.00	1.00	7.00	1.00
31	60.00	---	2.00	---	2.00	---	9.00	0.00	---	1.00	---	11.00
TOTAL	424.00	232.00	170.00	316.00	474.00	402.00	260.00	199.00	288.00	364.00	363.00	99.00
MEAN	13.68	8.29	5.48	10.53	15.29	13.40	8.39	6.42	9.60	11.74	12.10	3.19
MAX	70.00	45.00	55.00	60.00	81.00	106.00	42.00	46.00	58.00	73.00	63.00	16.00
MIN	0	0	0	0	0	0	0	0	0	0	0	0

PRECIPITATION REPORT

Station Number: 40100 Name: Rio Botija

LOCATION.-- Lat 8°50'9.76"N Long 80°37'3.88"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 17.79 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 250.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.00	13.00	7.00	3.00	2.00	2.00	0.00	0.00	15.00	1.00	13.00	9.00
2	1.00	12.00	7.00	2.00	14.00	0.00	4.00	2.00	0.00	9.00	25.00	0.00
3	0.00	2.00	13.00	4.00	47.00	5.00	1.00	0.00	0.00	16.00	0.00	0.00
4	1.00	9.00	0.00	3.00	0.00	11.00	4.00	2.00	0.00	12.00	7.00	0.00
5	4.00	2.00	20.00	0.00	0.00	42.00	10.00	4.00	15.00	1.00	1.00	6.00
6	1.00	16.00	4.00	1.00	1.00	3.00	17.00	1.00	11.00	23.00	1.00	6.00
7	0.00	5.00	1.00	3.00	2.00	51.00	27.00	3.00	7.00	1.00	1.00	4.00
8	3.00	1.00	3.00	4.00	7.00	34.00	0.00	38.00	8.00	0.00	1.00	2.00
9	16.00	0.00	1.00	0.00	53.00	78.00	0.00	23.00	35.00	14.00	22.00	3.00
10	2.00	0.00	10.00	23.00	6.00	48.00	0.00	0.00	15.00	9.00	4.00	0.00
11	1.00	3.00	3.00	59.00	13.00	0.00	53.00	0.00	1.00	6.00	0.00	22.00
12	1.00	10.00	1.00	39.00	2.00	0.00	24.00	2.00	0.00	33.00	0.00	0.00
13	8.00	12.00	1.00	14.00	0.00	1.00	1.00	3.00	2.00	0.00	1.00	1.00
14	1.00	15.00	6.00	6.00	6.00	0.00	1.00	5.00	0.00	29.00	2.00	1.00
15	9.00	33.00	15.00	20.00	36.00	3.00	4.00	0.00	29.00	38.00	11.00	0.00
16	19.00	3.00	0.00	46.00	27.00	1.00	2.00	0.00	0.00	26.00	16.00	0.00
17	24.00	0.00	1.00	4.00	19.00	1.00	14.00	4.00	0.00	6.00	39.00	4.00
18	59.00	1.00	0.00	3.00	2.00	21.00	0.00	1.00	6.00	0.00	1.00	3.00
19	8.00	13.00	4.00	6.00	50.00	2.00	0.00	0.00	0.00	0.00	0.00	3.00
20	0.00	9.00	10.00	3.00	89.00	20.00	87.00	2.00	0.00	0.00	7.00	3.00
21	16.00	7.00	5.00	30.00	44.00	6.00	1.00	4.00	0.00	2.00	2.00	1.00
22	8.00	10.00	0.00	19.00	0.00	13.00	0.00	0.00	90.00	1.00	18.00	2.00
23	1.00	3.00	0.00	2.00	64.00	7.00	31.00	2.00	0.00	0.00	10.00	3.00
24	8.00	9.00	0.00	0.00	19.00	3.00	0.00	32.00	27.00	3.00	21.00	1.00
25	21.00	13.00	0.00	2.00	0.00	6.00	0.00	9.00	0.00	24.00	12.00	5.00
26	11.00	0.00	0.00	0.00	4.00	2.00	2.00	7.00	9.00	0.00	75.00	1.00
27	25.00	0.00	0.00	1.00	22.00	0.00	0.00	0.00	0.00	2.00	54.00	0.00
28	1.00	3.00	7.00	0.00	0.00	2.00	8.00	5.00	1.00	57.00	9.00	1.00
29	4.00	---	33.00	0.00	1.00	47.00	4.00	3.00	2.00	0.00	12.00	1.00
30	52.00	---	22.00	15.00	0.00	24.00	22.00	1.00	4.00	2.00	6.00	2.00
31	41.00	---	1.00	---	0.00	---	6.00	0.00	---	5.00	---	6.00
TOTAL	348.00	204.00	175.00	312.00	530.00	433.00	323.00	153.00	277.00	320.00	371.00	90.00
MEAN	11.23	7.29	5.65	10.40	17.10	14.43	10.42	4.94	9.23	10.32	12.37	2.90
MAX	59.00	33.00	33.00	59.00	89.00	78.00	87.00	38.00	90.00	57.00	75.00	22.00
MIN	0	0	0	0	0	0	0	0	0	0	0	0

PRECIPITATION REPORT

Station Number: 40140 Name: W-46

LOCATION.-- Lat 8°57'17.57"N Long 80°40'17.35"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 01/24/2013-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 283.00mm on 11/26/2015

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.00	28.00	3.00	4.00	1.00	9.00	1.00	1.00	12.00	0.00	0.00	29.00
2	2.00	18.00	6.00	2.00	38.00	0.00	0.00	3.00	0.00	12.00	3.00	0.00
3	1.00	7.00	3.00	7.00	10.00	0.00	3.00	2.00	0.00	17.00	20.00	0.00
4	2.00	18.00	5.00	12.00	0.00	10.00	20.00	1.00	0.00	76.00	1.00	18.00
5	0.00	5.00	33.00	1.00	4.00	4.00	9.00	10.00	54.00	7.00	0.00	57.00
6	1.00	9.00	3.00	4.00	5.00	0.00	54.00	49.00	58.00	57.00	14.00	22.00
7	1.00	8.00	1.00	1.00	7.00	1.00	81.00	24.00	20.00	3.00	0.00	2.00
8	2.00	10.00	5.00	3.00	35.00	43.00	1.00	4.00	65.00	14.00	0.00	42.00
9	13.00	0.00	0.00	3.00	21.00	195.00	0.00	117.00	64.00	7.00	49.00	17.00
10	1.00	1.00	3.00	59.00	3.00	22.00	5.00	3.00	34.00	7.00	5.00	3.00
11	0.00	4.00	1.00	104.00	14.00	2.00	106.00	0.00	7.00	6.00	1.00	10.00
12	2.00	11.00	1.00	54.00	3.00	0.00	162.00	13.00	0.00	0.00	0.00	3.00
13	15.00	5.00	0.00	12.00	1.00	4.00	0.00	11.00	3.00	0.00	1.00	1.00
14	5.00	18.00	5.00	24.00	4.00	10.00	7.00	22.00	0.00	0.00	8.00	19.00
15	21.00	13.00	28.00	68.00	95.00	3.00	4.00	9.00	37.00	8.00	32.00	0.00
16	22.00	8.00	1.00	92.00	128.00	14.00	44.00	9.00	26.00	16.00	31.00	0.00
17	12.00	4.00	2.00	7.00	5.00	2.00	29.00	17.00	0.00	7.00	1.00	5.00
18	90.00	1.00	0.00	35.00	12.00	34.00	7.00	10.00	1.00	1.00	0.00	12.00
19	23.00	28.00	1.00	10.00	88.00	3.00	0.00	7.00	0.00	2.00	0.00	12.00
20	9.00	17.00	8.00	50.00	104.00	46.00	103.00	22.00	0.00	0.00	3.00	11.00
21	30.00	31.00	5.00	31.00	83.00	95.00	2.00	78.00	12.00	6.00	9.00	1.00
22	25.00	8.00	0.00	31.00	0.00	47.00	11.00	0.00	2.00	4.00	1.00	1.00
23	1.00	5.00	0.00	0.00	77.00	7.00	14.00	3.00	0.00	0.00	46.00	9.00
24	12.00	4.00	0.00	2.00	21.00	9.00	1.00	65.00	49.00	11.00	37.00	6.00
25	22.00	7.00	1.00	2.00	2.00	1.00	3.00	16.00	0.00	8.00	94.00	0.00
26	13.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	0.00	13.00	283.00	1.00
27	21.00	4.00	1.00	3.00	81.00	2.00	2.00	0.00	0.00	18.00	13.00	0.00
28	4.00	14.00	25.00	0.00	0.00	9.00	28.00	28.00	8.00	0.00	30.00	8.00
29	7.00	---	5.00	0.00	9.00	23.00	6.00	31.00	1.00	0.00	28.00	3.00
30	56.00	---	28.00	7.00	0.00	49.00	38.00	0.00	17.00	6.00	14.00	2.00
31	81.00	---	1.00	---	0.00	---	25.00	0.00	---	6.00	---	3.00
TOTAL	501.00	286.00	175.00	628.00	854.00	645.00	766.00	558.00	470.00	312.00	724.00	297.00
MEAN	16.16	10.21	5.65	20.93	27.55	21.50	24.71	18.00	15.67	10.06	24.13	9.58
MAX	90.00	31.00	33.00	104.00	128.00	195.00	162.00	117.00	65.00	76.00	283.00	57.00
MIN	0	0	0	0	0	0	0	0	0	0	0	0

PRECIPITATION REPORT

Station Number: 40160 Name: Punta Rincón

LOCATION.-- Lat 9°0'16.2"N Long 80°41'53.8"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 09/18/2013-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 316.00mm on 12/06/2013

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.00	14.00	0.00	0.00	1.00	6.00	0.00	0.00	2.00	4.00	0.00	16.00
2	1.00	18.00	5.00	2.00	5.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
3	0.00	0.00	2.00	0.00	27.00	0.00	0.00	1.00	0.00	13.00	0.00	0.00
4	0.00	12.00	2.00	4.00	0.00	19.00	3.00	0.00	0.00	92.00	0.00	31.00
5	1.00	7.00	10.00	2.00	8.00	6.00	7.00	7.00	47.00	26.00	0.00	53.00
6	0.00	5.00	2.00	1.00	7.00	0.00	21.00	47.00	45.00	71.00	2.00	42.00
7	0.00	1.00	0.00	0.00	34.00	2.00	138.00	16.00	25.00	0.00	1.00	3.00
8	2.00	4.00	1.00	1.00	75.00	14.00	11.00	5.00	69.00	8.00	1.00	35.00
9	9.00	1.00	0.00	0.00	42.00	54.00	1.00	34.00	69.00	15.00	52.00	45.00
10	1.00	0.00	2.00	49.00	0.00	6.00	0.00	0.00	36.00	20.00	19.00	9.00
11	1.00	7.00	4.00	68.00	1.00	0.00	59.00	0.00	2.00	39.00	0.00	18.00
12	3.00	6.00	1.00	28.00	1.00	0.00	131.00	41.00	0.00	0.00	18.00	8.00
13	18.00	1.00	0.00	8.00	0.00	25.00	3.00	2.00	2.00	12.00	0.00	2.00
14	1.00	23.00	5.00	27.00	3.00	24.00	1.00	25.00	4.00	0.00	18.00	51.00
15	39.00	10.00	11.00	60.00	54.00	6.00	6.00	23.00	15.00	5.00	92.00	0.00
16	9.00	2.00	0.00	118.00	90.00	4.00	4.00	21.00	32.00	9.00	6.00	0.00
17	10.00	1.00	0.00	54.00	5.00	6.00	52.00	39.00	0.00	1.00	1.00	6.00
18	45.00	0.00	0.00	28.00	12.00	35.00	17.00	7.00	0.00	5.00	0.00	8.00
19	5.00	4.00	1.00	29.00	87.00	0.00	0.00	3.00	0.00	0.00	0.00	11.00
20	0.00	10.00	8.00	16.00	111.00	15.00	74.00	21.00	0.00	0.00	0.00	2.00
21	0.00	9.00	0.00	44.00	66.00	109.00	1.00	144.00	0.00	25.00	8.00	0.00
22	49.00	10.00	0.00	55.00	0.00	29.00	4.00	0.00	0.00	6.00	55.00	3.00
23	9.00	1.00	0.00	0.00	39.00	9.00	15.00	11.00	0.00	1.00	103.00	8.00
24	8.00	0.00	0.00	0.00	26.00	0.00	0.00	104.00	16.00	26.00	59.00	15.00
25	4.00	3.00	0.00	0.00	4.00	0.00	1.00	32.00	0.00	4.00	104.00	0.00
26	19.00	0.00	3.00	1.00	1.00	2.00	0.00	5.00	0.00	1.00	112.00	0.00
27	10.00	7.00	0.00	2.00	135.00	0.00	1.00	14.00	0.00	0.00	6.00	0.00
28	6.00	4.00	3.00	0.00	0.00	5.00	37.00	6.00	23.00	0.00	63.00	1.00
29	17.00	---	2.00	0.00	8.00	22.00	13.00	31.00	0.00	0.00	32.00	3.00
30	29.00	---	48.00	8.00	1.00	37.00	52.00	0.00	4.00	11.00	18.00	1.00
31	35.00	---	4.00	---	0.00	---	59.00	0.00	---	16.00	---	1.00
TOTAL	332.00	160.00	114.00	605.00	843.00	435.00	711.00	639.00	391.00	411.00	770.00	372.00
MEAN	10.71	5.71	3.68	20.17	27.19	14.50	22.94	20.61	13.03	13.26	25.67	12.00
MAX	49.00	23.00	48.00	118.00	135.00	109.00	138.00	144.00	69.00	92.00	112.00	53.00
MIN	0	0	0	0	0	0	0	0	0	0	0	0

PRECIPITATION REPORT

Station Number: 40180 Name: Botija Laydown

LOCATION.-- Lat 8.848496 N Long 80.644634 W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 03/14/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 257.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.00	17.00	5.00	4.00	1.00	2.00	0.00	0.00	8.00	1.00	3.00	8.00
2	1.00	15.00	5.00	5.00	8.00	0.00	1.00	---	0.00	47.00	8.00	0.00
3	1.00	3.00	6.00	5.00	37.00	3.00	2.00	---	0.00	19.00	0.00	0.00
4	0.00	14.00	1.00	2.00	2.00	34.00	9.00	---	0.00	12.00	7.00	0.00
5	1.00	2.00	19.00	0.00	0.00	32.00	9.00	2.00	28.00	3.00	10.00	17.00
6	0.00	8.00	10.00	1.00	3.00	1.00	22.00	1.00	11.00	29.00	17.00	7.00
7	0.00	19.00	0.00	6.00	2.00	50.00	21.00	6.00	10.00	0.00	1.00	3.00
8	0.00	1.00	4.00	10.00	33.00	25.00	4.00	4.00	27.00	0.00	0.00	4.00
9	14.00	0.00	0.00	0.00	53.00	100.00	0.00	27.00	40.00	23.00	22.00	5.00
10	6.00	0.00	11.00	36.00	10.00	24.00	0.00	0.00	22.00	9.00	3.00	0.00
11	0.00	3.00	6.00	69.00	5.00	0.00	58.00	0.00	1.00	7.00	0.00	28.00
12	1.00	15.00	1.00	42.00	2.00	0.00	30.00	2.00	0.00	8.00	0.00	0.00
13	8.00	9.00	0.00	15.00	1.00	11.00	5.00	10.00	4.00	0.00	0.00	2.00
14	3.00	16.00	6.00	6.00	0.00	0.00	1.00	7.00	3.00	3.00	6.00	0.00
15	5.00	36.00	14.00	18.00	22.00	4.00	5.00	0.00	49.00	33.00	16.00	0.00
16	27.00	5.00	1.00	67.00	30.00	1.00	3.00	1.00	1.00	56.00	24.00	0.00
17	21.00	1.00	1.00	2.00	8.00	1.00	11.00	29.00	0.00	13.00	30.00	1.00
18	83.00	0.00	0.00	3.00	4.00	30.00	0.00	2.00	5.00	0.00	2.00	1.00
19	11.00	17.00	2.00	11.00	58.00	0.00	0.00	1.00	0.00	1.00	0.00	5.00
20	2.00	17.00	6.00	5.00	81.00	27.00	50.00	5.00	0.00	0.00	16.00	4.00
21	11.00	10.00	8.00	18.00	61.00	3.00	0.00	6.00	1.00	9.00	4.00	2.00
22	11.00	11.00	0.00	25.00	0.00	34.00	1.00	0.00	68.00	0.00	4.00	0.00
23	1.00	10.00	0.00	1.00	41.00	6.00	38.00	7.00	0.00	0.00	9.00	2.00
24	12.00	3.00	0.00	1.00	26.00	4.00	0.00	56.00	26.00	2.00	22.00	0.00
25	35.00	4.00	0.00	2.00	4.00	3.00	0.00	10.00	0.00	40.00	26.00	2.00
26	9.00	0.00	0.00	0.00	4.00	1.00	4.00	8.00	3.00	0.00	68.00	0.00
27	36.00	1.00	0.00	1.00	26.00	1.00	0.00	0.00	0.00	0.00	41.00	0.00
28	1.00	4.00	4.00	0.00	0.00	1.00	4.00	10.00	0.00	35.00	22.00	0.00
29	4.00	---	42.00	0.00	1.00	53.00	3.00	2.00	5.00	0.00	13.00	1.00
30	75.00	---	17.00	21.00	0.00	23.00	30.00	0.00	1.00	2.00	7.00	1.00
31	87.00	---	1.00	---	0.00	---	5.00	0.00	---	1.00	---	3.00
TOTAL	469.00	241.00	170.00	376.00	523.00	474.00	316.00	196.00	313.00	353.00	381.00	96.00
MEAN	15.13	8.61	5.48	12.53	16.87	15.80	10.19	6.32	10.43	11.39	12.70	3.10
MAX	87.00	36.00	42.00	69.00	81.00	100.00	58.00	56.00	68.00	56.00	68.00	28.00
MIN	0	0	0	0	0	0	0	0	0	0	0	0

PRECIPITATION REPORT

Station Number: 40200 Name: Rio del Medio

LOCATION.-- Lat 8°55'54.99"N Long 80°40'10.71"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 41.49 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 371.00mm on 11/26/2015

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.00	49.00	7.00	4.00	17.00	8.00	1.00	0.00	9.00	0.00	1.00	31.00
2	1.00	34.00	5.00	4.00	46.00	0.00	2.00	7.00	0.00	31.00	0.00	0.00
3	2.00	7.00	4.00	10.00	50.00	0.00	1.00	4.00	0.00	25.00	29.00	0.00
4	3.00	36.00	4.00	14.00	0.00	11.00	36.00	3.00	0.00	79.00	1.00	11.00
5	2.00	8.00	34.00	3.00	5.00	22.00	10.00	25.00	48.00	5.00	1.00	79.00
6	1.00	16.00	6.00	2.00	8.00	1.00	72.00	55.00	62.00	46.00	8.00	23.00
7	1.00	14.00	2.00	2.00	5.00	2.00	71.00	44.00	19.00	0.00	0.00	1.00
8	6.00	12.00	11.00	8.00	21.00	44.00	0.00	10.00	76.00	7.00	0.00	35.00
9	12.00	0.00	0.00	0.00	37.00	169.00	0.00	150.00	95.00	4.00	37.00	17.00
10	2.00	0.00	8.00	69.00	3.00	39.00	11.00	7.00	61.00	6.00	10.00	3.00
11	0.00	5.00	5.00	186.00	26.00	0.00	107.00	0.00	4.00	7.00	0.00	17.00
12	2.00	11.00	1.00	58.00	6.00	0.00	207.00	20.00	0.00	1.00	0.00	3.00
13	13.00	13.00	2.00	21.00	0.00	1.00	2.00	13.00	2.00	1.00	1.00	1.00
14	10.00	22.00	3.00	21.00	3.00	3.00	14.00	21.00	0.00	0.00	8.00	18.00
15	17.00	36.00	25.00	102.00	148.00	4.00	4.00	9.00	65.00	8.00	28.00	0.00
16	45.00	10.00	1.00	114.00	184.00	7.00	58.00	11.00	25.00	38.00	34.00	0.00
17	13.00	4.00	1.00	17.00	5.00	3.00	29.00	20.00	0.00	15.00	0.00	1.00
18	133.00	0.00	3.00	53.00	19.00	35.00	1.00	12.00	0.00	0.00	1.00	16.00
19	27.00	25.00	0.00	5.00	111.00	6.00	0.00	2.00	0.00	2.00	0.00	5.00
20	7.00	19.00	10.00	47.00	125.00	59.00	96.00	40.00	0.00	0.00	17.00	10.00
21	25.00	20.00	7.00	27.00	99.00	66.00	2.00	73.00	15.00	3.00	16.00	0.00
22	34.00	15.00	0.00	33.00	1.00	67.00	15.00	0.00	4.00	17.00	1.00	2.00
23	1.00	4.00	0.00	1.00	118.00	10.00	43.00	10.00	0.00	0.00	31.00	10.00
24	20.00	2.00	0.00	2.00	43.00	8.00	2.00	94.00	79.00	10.00	39.00	2.00
25	34.00	7.00	0.00	2.00	1.00	2.00	4.00	19.00	2.00	11.00	103.00	3.00
26	16.00	0.00	1.00	0.00	7.00	0.00	1.00	8.00	0.00	4.00	371.00	1.00
27	41.00	4.00	1.00	3.00	86.00	1.00	0.00	0.00	0.00	5.00	36.00	1.00
28	7.00	20.00	14.00	0.00	2.00	7.00	32.00	15.00	2.00	0.00	52.00	8.00
29	13.00	---	9.00	0.00	11.00	54.00	3.00	27.00	1.00	0.00	51.00	4.00
30	100.00	---	25.00	20.00	0.00	81.00	45.00	0.00	7.00	7.00	21.00	4.00
31	135.00	---	1.00	---	0.00	---	14.00	0.00	---	9.00	---	4.00
TOTAL	731.00	393.00	190.00	828.00	1187.00	710.00	883.00	699.00	576.00	341.00	897.00	310.00
MEAN	23.58	14.04	6.13	27.60	38.29	23.67	28.48	22.55	19.20	11.00	29.90	10.00
MAX	135.00	36.00	34.00	186.00	184.00	169.00	207.00	150.00	95.00	79.00	371.00	79.00
MIN	0	0	0	0	0	0	0	0	0	0	0	0

PRECIPITATION REPORT

Station Number: 40500 Name: Rio Petaquilla

LOCATION.-- Lat 8°50'22.31"N Long 80°41'56.11"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 10.98 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 231.00mm on 11/18/2012

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	0.00	6.00	3.00	---	20.00	20.00	2.00	3.00
2	---	---	---	---	15.00	0.00	7.00	---	0.00	65.00	1.00	0.00
3	---	---	---	---	78.00	4.00	1.00	---	0.00	73.00	6.00	0.00
4	---	---	---	---	0.00	58.00	24.00	---	0.00	43.00	2.00	0.00
5	---	---	---	---	4.00	39.00	6.00	---	11.00	1.00	1.00	16.00
6	---	---	---	---	8.00	6.00	89.00	---	25.00	45.00	14.00	7.00
7	---	---	---	---	12.00	54.00	12.00	5.00	18.00	0.00	1.00	5.00
8	---	---	---	---	8.00	46.00	---	7.00	48.00	0.00	1.00	9.00
9	---	---	---	---	49.00	57.00	---	42.00	45.00	36.00	23.00	2.00
10	---	---	---	---	27.00	20.00	---	0.00	39.00	5.00	3.00	1.00
11	---	---	---	---	24.00	0.00	---	0.00	0.00	9.00	0.00	3.00
12	---	---	---	---	6.00	0.00	---	13.00	0.00	4.00	0.00	0.00
13	---	---	---	---	4.00	1.00	---	15.00	3.00	0.00	1.00	0.00
14	---	---	---	---	8.00	8.00	---	14.00	0.00	14.00	2.00	1.00
15	---	---	---	---	88.00	9.00	---	9.00	80.00	48.00	7.00	0.00
16	---	---	---	---	29.00	11.00	---	1.00	3.00	94.00	14.00	0.00
17	---	---	---	---	10.00	2.00	---	26.00	0.00	5.00	3.00	2.00
18	---	---	---	---	3.00	40.00	---	13.00	0.00	0.00	0.00	6.00
19	---	---	---	---	68.00	2.00	---	3.00	3.00	1.00	0.00	2.00
20	---	---	---	---	137.00	37.00	---	12.00	0.00	0.00	0.00	7.00
21	---	---	---	---	84.00	5.00	---	18.00	4.00	6.00	12.00	1.00
22	---	---	---	0.00	1.00	29.00	---	0.00	28.00	3.00	5.00	2.00
23	---	---	---	1.00	35.00	30.00	---	30.00	3.00	0.00	3.00	3.00
24	---	---	---	0.00	56.00	3.00	---	61.00	63.00	3.00	9.00	2.00
25	---	---	---	0.00	7.00	0.00	---	34.00	0.00	50.00	16.00	0.00
26	---	---	---	0.00	2.00	9.00	---	8.00	0.00	27.00	22.00	1.00
27	---	---	---	2.00	118.00	0.00	---	0.00	2.00	6.00	26.00	1.00
28	---	---	---	0.00	1.00	0.00	---	20.00	0.00	29.00	12.00	0.00
29	---	---	---	4.00	5.00	49.00	---	6.00	0.00	1.00	6.00	2.00
30	---	---	---	29.00	0.00	69.00	---	1.00	0.00	6.00	8.00	0.00
31	---	---	---	---	0.00	---	---	0.00	---	6.00	---	3.00
TOTAL	---	---	---	36.00	887.00	594.00	142.00	338.00	395.00	600.00	200.00	79.00
MEAN	---	---	---	1.20	28.61	19.80	20.29	10.90	13.17	19.35	6.67	2.55
MAX	---	---	---	29.00	137.00	69.00	89.00	61.00	80.00	94.00	26.00	16.00
MIN	---	---	---	0	0	0	0	0	0	0	0	0

PRECIPITATION REPORT

Station Number: 40550 Name: Poza-4 TMF

LOCATION.-- Lat 8.899354 N Long 80.672072 W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 11/17/2015-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 231.00mm on 11/18/2012

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	---	---	---	---	13.00
2	---	---	---	---	---	---	---	---	---	---	---	0.00
3	---	---	---	---	---	---	---	---	---	---	---	0.00
4	---	---	---	---	---	---	---	---	---	---	---	1.00
5	---	---	---	---	---	---	---	---	---	---	---	43.00
6	---	---	---	---	---	---	---	---	---	---	---	13.00
7	---	---	---	---	---	---	---	---	---	---	---	5.00
8	---	---	---	---	---	---	---	---	---	---	---	12.00
9	---	---	---	---	---	---	---	---	---	---	---	7.00
10	---	---	---	---	---	---	---	---	---	---	---	2.00
11	---	---	---	---	---	---	---	---	---	---	---	21.00
12	---	---	---	---	---	---	---	---	---	---	---	0.00
13	---	---	---	---	---	---	---	---	---	---	---	2.00
14	---	---	---	---	---	---	---	---	---	---	---	6.00
15	---	---	---	---	---	---	---	---	---	---	---	0.00
16	---	---	---	---	---	---	---	---	---	---	---	0.00
17	---	---	---	---	---	---	---	---	---	---	1.00	0.00
18	---	---	---	---	---	---	---	---	---	---	0.00	3.00
19	---	---	---	---	---	---	---	---	---	---	0.00	8.00
20	---	---	---	---	---	---	---	---	---	---	59.00	7.00
21	---	---	---	---	---	---	---	---	---	---	41.00	0.00
22	---	---	---	---	---	---	---	---	---	---	1.00	7.00
23	---	---	---	---	---	---	---	---	---	---	11.00	5.00
24	---	---	---	---	---	---	---	---	---	---	23.00	2.00
25	---	---	---	---	---	---	---	---	---	---	67.00	0.00
26	---	---	---	---	---	---	---	---	---	---	133.00	1.00
27	---	---	---	---	---	---	---	---	---	---	69.00	0.00
28	---	---	---	---	---	---	---	---	---	---	39.00	1.00
29	---	---	---	---	---	---	---	---	---	---	13.00	5.00
30	---	---	---	---	---	---	---	---	---	---	8.00	6.00
31	---	---	---	---	---	---	---	---	---	---	---	6.00
TOTAL	---	---	---	---	---	---	---	---	---	---	465.00	176.00
MEAN	---	---	---	---	---	---	---	---	---	---	15.50	5.68
MAX	---	---	---	---	---	---	---	---	---	---	133.00	43.00
MIN	---	---	---	---	---	---	---	---	---	---	0	0

PRECIPITATION REPORT

Station Number: 40650 Name: TMF Wx

LOCATION.-- Lat 8°53'0.18"N Long 80°38'37.20"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 02/13/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 218.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.00	18.00	5.00	7.00	0.00	2.00	1.00	0.00	2.00	2.00	3.00	14.00
2	2.00	15.00	5.00	8.00	10.00	0.00	3.00	3.00	0.00	9.00	5.00	0.00
3	1.00	3.00	7.00	5.00	21.00	1.00	0.00	0.00	0.00	6.00	6.00	0.00
4	0.00	12.00	1.00	6.00	1.00	21.00	11.00	3.00	0.00	8.00	2.00	0.00
5	2.00	3.00	32.00	0.00	1.00	32.00	13.00	4.00	39.00	10.00	3.00	19.00
6	0.00	14.00	3.00	1.00	20.00	1.00	29.00	16.00	30.00	1.00	11.00	10.00
7	1.00	18.00	1.00	5.00	14.00	23.00	56.00	5.00	11.00	6.00	1.00	1.00
8	1.00	2.00	6.00	8.00	26.00	18.00	1.00	12.00	29.00	9.00	2.00	6.00
9	13.00	0.00	2.00	0.00	76.00	110.00	0.00	65.00	76.00	6.00	5.00	4.00
10	3.00	0.00	10.00	48.00	3.00	36.00	1.00	0.00	26.00	6.00	4.00	1.00
11	1.00	2.00	7.00	95.00	12.00	0.00	69.00	0.00	1.00	4.00	---	30.00
12	1.00	19.00	0.00	34.00	2.00	0.00	69.00	4.00	0.00	7.00	---	1.00
13	8.00	7.00	1.00	17.00	0.00	1.00	2.00	8.00	24.00	7.00	---	0.00
14	9.00	18.00	3.00	7.00	1.00	0.00	2.00	15.00	1.00	9.00	---	2.00
15	12.00	40.00	28.00	40.00	38.00	3.00	6.00	2.00	63.00	4.00	---	1.00
16	30.00	3.00	1.00	109.00	61.00	1.00	6.00	8.00	4.00	12.00	33.00	0.00
17	28.00	1.00	4.00	6.00	6.00	3.00	13.00	22.00	0.00	10.00	27.00	2.00
18	89.00	1.00	0.00	10.00	6.00	26.00	0.00	8.00	3.00	6.00	0.00	4.00
19	15.00	20.00	1.00	18.00	62.00	2.00	0.00	2.00	0.00	2.00	0.00	9.00
20	2.00	11.00	7.00	13.00	64.00	45.00	84.00	17.00	0.00	5.00	3.00	4.00
21	10.00	10.00	7.00	13.00	55.00	11.00	1.00	13.00	4.00	4.00	2.00	2.00
22	16.00	10.00	1.00	1.00	1.00	40.00	13.00	1.00	8.00	5.00	2.00	4.00
23	1.00	9.00	0.00	3.00	53.00	6.00	39.00	8.00	0.00	1.00	30.00	1.00
24	12.00	8.00	0.00	0.00	22.00	3.00	1.00	52.00	5.00	2.00	24.00	1.00
25	35.00	8.00	0.00	4.00	5.00	3.00	1.00	9.00	0.00	7.00	61.00	0.00
26	17.00	0.00	1.00	0.00	6.00	5.00	0.00	12.00	4.00	3.00	94.00	0.00
27	32.00	2.00	0.00	1.00	52.00	3.00	0.00	0.00	0.00	4.00	51.00	0.00
28	4.00	5.00	6.00	0.00	2.00	5.00	16.00	10.00	5.00	11.00	18.00	2.00
29	2.00	---	41.00	0.00	3.00	47.00	2.00	5.00	3.00	6.00	22.00	2.00
30	70.00	---	29.00	34.00	0.00	35.00	30.00	1.00	1.00	6.00	6.00	1.00
31	80.00	---	0.00	---	1.00	---	7.00	0.00	---	8.00	---	5.00
TOTAL	504.00	259.00	209.00	493.00	624.00	483.00	476.00	305.00	339.00	186.00	415.00	126.00
MEAN	16.26	9.25	6.74	16.43	20.13	16.10	15.35	9.84	11.30	6.00	13.83	4.06
MAX	89.00	40.00	41.00	109.00	76.00	110.00	84.00	65.00	76.00	12.00	94.00	30.00
MIN	0	0	0	0	0	0	0	0	0	0	0	0

PRECIPITATION REPORT

Station Number: 40700 Name: Caimito Wx

LOCATION.-- Lat 9°1'13.31"N Long 80°41'1.92"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A.

PERIOD OF RECORD.-- 12/07/2011-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 248.00mm on 12/06/2013

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	7.00	3.00	1.00	2.00	7.00	0.00	0.00	4.00	3.00	1.00	11.00
2	0.00	8.00	6.00	2.00	5.00	0.00	0.00	1.00	0.00	2.00	0.00	0.00
3	0.00	6.00	4.00	0.00	34.00	0.00	6.00	0.00	0.00	6.00	0.00	5.00
4	0.00	20.00	1.00	8.00	1.00	18.00	2.00	0.00	0.00	69.00	0.00	24.00
5	1.00	9.00	6.00	1.00	15.00	6.00	6.00	5.00	35.00	7.00	0.00	57.00
6	0.00	6.00	1.00	3.00	23.00	1.00	21.00	39.00	45.00	89.00	4.00	53.00
7	0.00	2.00	0.00	0.00	53.00	3.00	116.00	8.00	21.00	0.00	0.00	6.00
8	3.00	22.00	3.00	4.00	24.00	13.00	20.00	1.00	40.00	0.00	14.00	42.00
9	3.00	0.00	0.00	0.00	13.00	65.00	0.00	31.00	94.00	19.00	34.00	47.00
10	0.00	0.00	1.00	25.00	6.00	3.00	1.00	0.00	35.00	21.00	34.00	4.00
11	0.00	6.00	2.00	27.00	1.00	0.00	47.00	1.00	5.00	34.00	0.00	31.00
12	4.00	9.00	0.00	10.00	3.00	2.00	73.00	21.00	1.00	0.00	30.00	7.00
13	12.00	1.00	0.00	11.00	0.00	38.00	8.00	3.00	2.00	0.00	0.00	4.00
14	1.00	12.00	3.00	12.00	0.00	17.00	1.00	19.00	2.00	0.00	32.00	83.00
15	48.00	2.00	8.00	37.00	29.00	21.00	4.00	16.00	21.00	6.00	105.00	0.00
16	4.00	4.00	0.00	104.00	127.00	2.00	4.00	7.00	30.00	11.00	10.00	0.00
17	9.00	2.00	0.00	16.00	10.00	2.00	39.00	36.00	0.00	0.00	0.00	3.00
18	49.00	2.00	0.00	22.00	6.00	30.00	25.00	10.00	0.00	21.00	0.00	3.00
19	4.00	2.00	0.00	23.00	109.00	0.00	1.00	3.00	0.00	2.00	0.00	9.00
20	1.00	13.00	1.00	2.00	108.00	7.00	96.00	18.00	0.00	0.00	0.00	3.00
21	1.00	11.00	1.00	54.00	53.00	103.00	2.00	154.00	0.00	16.00	2.00	0.00
22	32.00	3.00	0.00	23.00	1.00	25.00	3.00	0.00	0.00	16.00	39.00	19.00
23	7.00	2.00	0.00	0.00	41.00	3.00	9.00	12.00	0.00	3.00	110.00	10.00
24	15.00	1.00	0.00	0.00	27.00	1.00	0.00	120.00	4.00	32.00	49.00	16.00
25	6.00	1.00	0.00	0.00	3.00	0.00	1.00	33.00	2.00	2.00	93.00	0.00
26	3.00	0.00	1.00	2.00	0.00	2.00	0.00	5.00	0.00	8.00	74.00	0.00
27	5.00	14.00	0.00	3.00	135.00	0.00	1.00	14.00	0.00	1.00	6.00	0.00
28	4.00	0.00	9.00	0.00	0.00	0.00	51.00	8.00	17.00	0.00	23.00	2.00
29	8.00	---	1.00	0.00	7.00	21.00	12.00	33.00	2.00	2.00	35.00	3.00
30	31.00	---	16.00	9.00	1.00	18.00	36.00	0.00	2.00	20.00	14.00	0.00
31	7.00	---	3.00	---	0.00	---	80.00	0.00	---	19.00	---	0.00
TOTAL	258.00	165.00	70.00	399.00	837.00	408.00	665.00	598.00	362.00	409.00	709.00	442.00
MEAN	8.32	5.89	2.26	13.30	27.00	13.60	21.45	19.29	12.07	13.19	23.63	14.26
MAX	49.00	22.00	16.00	104.00	135.00	103.00	116.00	154.00	94.00	89.00	110.00	83.00
MIN	0	0	0	0	0	0	0	0	0	0	0	0